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| APPLICATION NO.   | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO.         | CONFIRMATION NO.       |
|---|-------------|----------------------|-----------------------------|------------------------|
| 10/686,854  | 10/16/2003  | Robert P. Cozier     | 100110606-1                 | 1744                   |
| 22879 7590 09/27/2007<br>HEWLETT PACKARD COMPANY<br>P O BOX 272400, 3404 E. HARMONY ROAD<br>INTELLECTUAL PROPERTY ADMINISTRATION<br>FORT COLLINS, CO 80527-2400 |             |                      |                             |                        |
|   |             |                      | EXAMINER<br>TAKELE, MESEKER |                        |
|   |             |                      | ART UNIT<br>2174            | PAPER NUMBER           |
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**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

## Office Action Summary

Application No.

10/686,854

Applicant(s)

COZIER ET AL.

Examiner

Meseker Takele

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 04 August 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-17 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-17 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 16 October 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_

### DETAILED ACTION

1. This communication is responsive to the request for continued examination filed 08/04/2007.

2. Claims 1-17 are pending in this application. Claims 1, 7 and 15 are independent claims. In the instant Amendment, claims 1, 2, 4-6, 7, 10, 12-14 and 15 were amended. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

#### *Claim Rejections - 35 USC § 103*

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1-6 are rejected under 35 U.S.C. 103(a) as being unpatentable over Chang et al. (US Pub. No.: 2002/0083121) in view of Korala et al. (US Pub No.: 2002/0184258) in further in view of Stecyk et al. (US Pub. No.: 2002/0171763).

As to claim 1, Chang discloses system for communicating with at least one external device (example, such as a communication channel between the information apparatus and an output device, see abstract and Figure 9A), and comprising:

a display (example, display device, see paragraph [0002]),

a customizable share menu that is displayable on the display and which comprises: a plurality of selectable icons that respectively correspond to selected tasks or actions that may be performed by a user, (example, which describes that the information apparatus and output controller are pre-configured with fixed functionalities and tasks that are displayed and perform operations of external devices; this can be seen as the share menu, see paragraph ([0046], [0051], and [0054]) and which initiate a through connection with the external device and, when selected, cause the selected task or action to be performed on the external device in a preprogrammed manner (example, the user may then select one or more output devices based on the service information provided, see paragraph [0029]).

However Chang does not specifically disclose wherein a kiosk operating as one of the external device communicates identifying information to a digital camera operating as the system that identifies the kiosk and its capabilities.

Korala from the same field of endeavor disclose wherein a kiosk operating as one of the external device communicates identifying information to a digital camera operating as the system that identifies the kiosk and its capabilities (example, self service kiosks are networked computing devices, identifying, information, user browsing capability with customization information, see paragraph [0002], [0018], [0009]).

It would have been obvious to one of ordinary skill in the art to modify Chang's external device at the time the invention was made with kiosk operating device as taught by Korala.

The motivation to combine to provide multiple different customized environments through a self-service kiosk.

in response, the digital camera configures with icons the share menu according to the capabilities of the kiosk (example, configure with icons, such as icon 802, see Figure 8A (element 802 also paragraph [0046, 0051, 0054] which describes that the information apparatus and output controller are pre- configured with fixed functionalities and tasks that are displayed and perform operations of external devices; this can be seen as the share menu), (example, digital camera (112), Type and capability of the output device, Output manager 308 may communicate and interact with one or more software applications 302 included in a host information apparatus 100 to provide pervasive output capability or feature, verify communication connections, identify devices available or compatible for service see paragraph [0002]), [0005], [0009], [0166], [0051] and [0054]).

a device configuration module of the digital camera that configures a customized kiosk device driver for the kiosk so that the kiosk can communicate its capabilities directly to the digital camera by way of specific kiosk device identifying information (example, such as, when an external device is connected to the information apparatus and output controller, the external device will negotiate services and configure its available capabilities to the information apparatus and output controller see Figure 4a-4c and paragraph [0060, 0062])

in response to selecting one of the one or more selectable icons to perform a desired task, the system checks whether the selection that has been made matches the capabilities of the connected external device and if the selection matches the external device capabilities, performs the desired task by communicating between the user device

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and the external device (example, after a task is chosen, the output controller will check if the external device can perform the appropriate task, see paragraph [0137] and [0189]).

Further Chang does not disclose, the user specific capabilities that cannot be performed by the external device by graying out from the share menu intended actions that cannot be performed by the kiosk.

Stecyk from the same field of endeavor disclose the user specific capabilities that cannot be performed by the external device by graying out from the share menu intended actions that cannot be performed by the kiosk (example, such as graying or crossing out, a particular device is unavailable or disabled, see paragraph [0053], [0054] and [0056]).

It would have been obvious to one of ordinary skill in the art to modify the modified Chang's output device at the time the invention was made with graying out as taught by Stecyk.

The motivation to combine to provide a variety of visual display indicators such as highlighting the exterior of the icon with light, graying or crossing out the icon and the like.

As to claim 2, Chang discloses which comprises wherein one of the external devices comprises a personal digital assistant (PDA) cell phone (example, PDA, see Figure 1 (element 106) and paragraph [0043] and [0002]).

As to claim 3, Chang disclose wherein the tasks are selected from a group consisting of printing, e-mailing, archiving, and downloading data from the system (example, such as downloading, transmitting and creating see paragraph [0004]).

As to claim 4, wherein one of the external devices comprise a printer (example, printer, see paragraph [0003]).

As to claim 5, Chang does not disclose wherein one of external devices comprise a computer (example, computer, see Figure 1 (element 102 and 104) and paragraph [0002].

As to claim 6, Chang does not disclose wherein one of the external devices comprises a wireless telephone (example, cellular phone, see Figure 1 (element 108) and paragraph [0002]).

5. Claims 7-14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Chang et al. (US Pub. No.: 2002/0083121)) in view of Battles (US Pub No.: 2003/0206239) in further in view of Stecyk et al. (US Pub. No.: 2002/0171763).

As to claim 7, Chang discloses a method comprising the step of configuring a user device to have a share menu that is displayable on a display of the user device and which comprises one or more selectable icons that correspond to selected tasks or actions that may be performed by a user (example, which describes that the information apparatus and output controller are pre-configured with fixed functionalities and tasks that are displayed and perform operations of external devices; this can be seen as the share menu see paragraph, [0046, 0051, 0054]);

connecting the user device to at least one an external device (see paragraph [0060] and [0062])

communicating identifying information from the a kiosk operating as the external device to a digital camera operating as the use user device that identifies the external device and its capabilities (example, digital camera, which describes an external device communicates with the information apparatus and output controller uploading the make, model, type of device, identification, version, type of input language, type of device

driver software, and type of services provided, see paragraph [0002]) , [0005], [0009], [0166], [0054], [0062] and [0065]).

configuring the share menu according to the capabilities of the kiosk selecting one of the one or more selectable icons to perform a desired task (example, which describes that the information apparatus and output controller are pre-configured with fixed functionalities and tasks that are displayed and perform operations of external devices; this can be seen as the share menu, see paragraph ([0046], [0051], and [0054]),

configuring a customized kiosk device driver for the kiosk so that the kiosk can communicate its capabilities directly to the digital camera by way of specific device identifying information (example, digital camera, Type and capability of the output device, Output manager 308 may communicate and interact with one or more software applications 302 included in a host information apparatus 100 to provide pervasive output capability or feature, verify communication connections, identify devices available or compatible for service see paragraph [0002]) , [0005], [0009], [0166], [0051] and [0054]

checking whether the selection that has made matches the capabilities of the connected kiosk (example, such as which describes after a task is chosen, the output controller will check if the external device can perform the appropriate task, see paragraph [0137], [0189] and [0009])

if the selection matches the kiosk's capabilities, performing the desired task by communicating between the kiosk and digital camera (example, digital camera, such as device and external device, see paragraph [0137], [0189], [0005] and [0009].



However Chang does not specifically disclose wherein a kiosk operating as one of the external device communicates identifying information to a digital camera operating as the system that identifies the kiosk and its capabilities.

Korala from the same field of endeavor disclose wherein a kiosk operating as one of the external device communicates identifying information to a digital camera operating as the system that identifies the kiosk and its capabilities (example, self service kiosks are networked computing devices, identifying, information, user browsing capability with customization information, see paragraph [0002], [0018], [0009]).

It would have been obvious to one of ordinary skill in the art to modify Chang's external device at the time the invention was made with kiosk operating device as taught by Korala.

The motivation to combine to provide multiple different customized environments through a self-service kiosk.

Further Chang does not disclose, the user specific capabilities that cannot be performed by the external device by graying out from the share menu intended actions that cannot be performed by the kiosk.

Stecyk from the same field of endeavor disclose the user specific capabilities that cannot be performed by the external device by graying out from the share menu intended actions that cannot be performed by the kiosk (example, such as graying or crossing out, a particular device is unavailable or disabled, see paragraph [0053], [0054] and [0056]).

It would have been obvious to one of ordinary skill in the art to modify the modified Chang's output device at the time the invention was made with graying out as taught by Stecyk.

The motivation to combine to provide a variety of visual display indicators such as highlighting the exterior of the icon with light, graying or crossing out the icon and the like.

As to claim 8, Chang disclose wherein the step of communicating uses a predetermined connection protocol (example, communication protocol, see paragraph [0050]).

As to claim 9, Chang discloses wherein the step of communicating uses a file system (example, such as the communication may include messages; objects, models, or procedural calls, see paragraph [0051]).

As to claim 10, Chang discloses which comprises wherein one of the external devices comprises a personal digital assistant (PDA) cell phone (example, PDA, see Figure 1 (element 106) and paragraph [0043] and [0002]).

As to claim 11, Chang disclose wherein the tasks are selected from a group consisting of printing, e-mailing, archiving, and downloading data from the system (example, such as downloading, transmitting and creating see paragraph [0004]).

As to claim 12, wherein one of the external devices comprise a printer (example, printer, see paragraph [0003]).

As to claim 13, Chang does not disclose wherein one of external devices comprise a computer (example, computer, see Figure 1 (element 102 and 104) and paragraph [0002]).

As to claim 14, Chang does not disclose wherein one of the external devices comprises a wireless telephone (example, cellular phone, see Figure 1 (element 108) and paragraph [0002]).

6. Claims 15, 16 and 17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Chang et al. (US Pub. No.: 2002/0083121)) in view of Battles (US Pub No.: 2003/0206239) in further in view of Stecyk et al. (US Pub. No.: 2002/0171763).

As to claim 15, Chang discloses a system for communicating between a digital camera and an external personal digital assistant (PDA) device (example, digital camera and PDA, see paragraph [0002]), comprising:

a display on the digital camera (example, display device, such as a digital camera 112 equipped with processing capability and feature sets, see paragraph [0002] and [0045]),

a customizable displayable sharing means that is presentable on the display of the digital camera and which comprises a plurality of selectable icons that respectively correspond to selected tasks or actions that may be performed by a user, for initiating a connection between the digital camera and the external PDA and a kiosk (see, digital camera, PDA, see paragraph [0002], [0009], [0041] and Figure 8a-8g); and for causing a selected task or action to be performed on the external PDA device and the kiosk in a preprogrammed manner (example, the user may then select one or more output devices based on the service information provided, such as PDA, see paragraph [0029]);

a device configuration module that configures a customized device driver for the external PDA device and the kiosk so that the external PDA device and the kiosk can communicate their respective capabilities by way of specific device identifying information of the PDA device and the kiosk (example, such as a device driver (printer driver in this example) may control, manage, communicate, and output print data to a

printer. Sometimes, instead of using a printer or device driver, the device driving feature may be included as part of an application software see paragraph [0007]).

However Chang does not specifically disclose wherein a kiosk operating as one of the external device communicates identifying information to a digital camera operating as the system that identifies the kiosk and its capabilities.

Korala from the same field of endeavor disclose wherein a kiosk operating as one of the external device communicates identifying information to a digital camera operating as the system that identifies the kiosk and its capabilities (example, self service kiosks are networked computing devices, identifying, information, user browsing capability with customization information, see paragraph [0002], [0018], [0009]).

It would have been obvious to one of ordinary skill in the art to modify Chang's external device at the time the invention was made with kiosk operating device as taught by Korala.

The motivation to combine to provide multiple different customized environments through a self-service kiosk.

Further Chang does not disclose, the user specific capabilities that cannot be performed by the external device by graying out from the share menu intended actions that cannot be performed by the kiosk.

Stecyk from the same field of endeavor disclose the user specific capabilities that cannot be performed by the external device by graying out from the share menu intended actions that cannot be performed by the kiosk (example, such as graying or crossing out, a particular device is unavailable or disabled, see paragraph [0053], [0054] and [0056]).

It would have been obvious to one of ordinary skill in the art to modify the modified Chang's output device at the time the invention was made with graying out as taught by Stecyk.

The motivation to combine to provide a variety of visual display indicators such as highlighting the exterior of the icon with light, graying or crossing out the icon and the like.

As to claim 16, Chang discloses wherein the external device and its capabilities, and in response, the system configures the share menu according to the capabilities of the external device (example, when an external device is connected to the information apparatus and output controller, the external device will negotiate services and configure its available capabilities to the information apparatus and output controller, see and [0060, 0062] and Figure 4a-4c).

As to claim 17, Chang disclose wherein, in response to selecting one of the one or more selectable icons to perform a desired task, the system checks whether the selection that has been made matches the capabilities of the connected external device, and if the selection matches the external device capabilities, performs the desired task by communicating between the user device and the external device (example, after a task is chosen, the output controller will check if the external device can perform the appropriate task, see paragraph [0137] and [0189]).

### ***Response to Arguments***

7. Applicant's arguments with respect to the amended claims have been considered but are moot in view of the new ground(s) of rejection.

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*Conclusion*

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Meseker Takele whose telephone number is (571) 270-1653. The examiner can normally be reached on Monday - Friday 7:30AM- 5:00PM est.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kristine Kincaid can be reached on (571) 272-4063. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

MT

  
KRISTINE KINCAID  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2100